Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Improvements of Roads and Drains at Kalli Bhavi Road and Surrounding Are
in Ward no-1 of Yelahanka sub Division

	Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
	Civil Work:								
1	KSR(E) 305-1, Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications(I No-19.1, P No-143), 5km lead								
	Basic rate	130.00							
	Area Weightage 6%	7.80							
	Loading and Unloading & Lead, 5KM	77.48							
	Total	215.28							
		Cum							
	RCC Drain								
	Ward 01								
	Sathyguru school rd		1	78.00	1.00	1.00	78.00		
	Chowdeshwari temple (tank bund rd)		1	146.00	1.10	1.00	160.60		
	Down Bazar rd(1st cross)(R+S)		1	48.00	1.10	1.10	52.03		
	Down Bazar rd		1	90.00	1.40	1.10	138.60		
	Chowdeshwari temple (1st Cross rd)		1	37.00	1.00	1.00	37.00		
	Chowdeshwari temple (2nd Cross rd)		1	40.00	1.00	1.00	40.00		
	Desilt								
	Ward 01								
	Kalli Bhavi Main Rd		1	268.00	0.45	0.40	48.42		
	Vivekananda Rd		1	72.00	0.45	0.40	12.96		
	Down Bazar rd(2nd cross)		1	43.00	0.90	0.40	15.48		
	Down Bazar rd(1st cross)		1	43.00	0.90	0.40	15.48		
	Chandrappasanna house		2	54.00	0.45	0.40	19.44		
	Connecting rd-1		1	43.00	0.45	0.40	7.74		
	Jayaram house rd		2	55.00	0.45	0.40	19.80		
	Culvert		9	5.00	1.50	1.00	67.50		
				Area					
	Rain Water Harvesting pits		7	0.31		1.80	3.91		
							716.96	215.28	154348.29
2	Filling in foundation with granite/trap broken metal 100mm and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with lead up to 50m and lift 1.5m complete as per specifications. Data Rate								
	Data rate	1901.00		Area					
	a) 40mm Jelly	Cum	7	0.31	0.40	0.87	1901		1,650.07
	Data rate	1901.00							
	b) 20mm Jelly	Cum	7	0.31	0.40	0.87	1901		1,650.07

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Data rate	2651.00							
c) Coarse sand.	Cum	7	0.31		0.30	0.65	2651	1,725.80
Data rate	2651.00							
d) Fine Sand	Cum	7	0.31		0.20	0.43	2651	1,150.53
Data rate	1901.00							
e) 12.5mm chips	Cum	7	0.31		0.30	0.65	1901	1,237.55
Supplying, laying and jointing HDPE pipes of specified grade and conforming to IS 4984- 995 with latest amendments and conveyingto work site including loading and unloading at both destinations and rolling and lowering into trenches, laying true to line and jointing of pipes and specials, giving hydraulic test as per relevant ISS with all lead and lifts including encasing the pipe alround to a depth of not less than 15 cms. with soft gravel or selected earth available from the excavation, testing and commissioning. The rate is exclusive of required specials and fittings wherever necessary like saddle Tee, stub ends, flanged sets, bends, reducers etc. complete (Contractor will make his own arrangements for procuring water for testing) etc. for : **HDPE Grade PE80-PN6.0, 630 mm dia.** (Perforated Pipe for Rain Water Harvesting Pit) (BWSSB SR 2017-18, Pg No 121 Item No. 1.17 Code No. K010Q)								
Basic rate	12121.00							
Deduct 12% GST	1298.68							
Total	10822.32							
	Rmt							
0.63m dia HDPE Perforated		8	1.80			14.40		
						14.40	10822.32	155841.41
Providing of Geonets for Rain Water Harvesting pit on top of the filter media as specified indrawings or as approved by Engineer Incharge. Data Rate								
Data rate	71.03		Area					
	Sqm	8	0.31			2.48	71.03	176.15
KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration @ 0.46cum, including curing for 14 days including cost of all materials, labour, HOM curing, form works, including scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
Basic rate	5115.00							
Area Weightage 6%	306.90							
Total	5421.90							
	Cum							
RCC Drain								
Ward 01								
Sadhuguru school rd		1	78.00	1.00	0.15	11.70		
Chowdeshwari temple (tank bund rd)		1	146.00	1.10	0.15	24.09		
Down Bazar rd(1st cross)(RHS)		1	43.00	1.10	0.15	7.10		
Down Bazar rd		1	90.00	1.40	0.15	18.90		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
howdeshwari temple (1st ross rd)		1	37.00	1.00	0.15	5.55		
howdeshwari temple (2nd ross rd)		1	40.00	1.00	0.15	6.00		
ulvert		9	5.00	1.50	0.15	10.13		
or Kerb stone Bed								
howdeshwari temple (tank und rd)		1	146.00	0.20	0.10	2.92		
own Bazar rd		1	90.00	0.20	0.10	1.80		
C Road								
howdeshwari temple (1st ross rd)		1	37.00	4.20	0.15	23.31		
howdeshwari temple (2nd ross rd)		1	30.00	2.80	0.15	12.60		
Down Bazar rd(1st cross)		1	43.00	5.00	0.15	32.25		
Down Bazar rd(2nd cross)		1	43.00	4.00	0.15	25.80		
Chandraprasanna house		1	54.00	3.30	0.15	26.73		
Cross rd		1	20.00	3.00	0.15	9.00		
Connecting rd-1		1	43.00	3.50	0.15	22.58		
Connecting rd-2		1	41.00	2.20	0.15	13.53		
Jayaram house rd		1	55.00	4.30	0.15	35.48		
						289.45	5421.90	1569368.96

Providing and laying plain/reinforced cement concrete for side drains using **M20 nominal mix concrete with OPC at 300 kgs.** With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification no. 1500, 1700, 2200 including cost of material labour HOM complete as per specification. (P.No.271, I.No.37.59.2 of PW, P&IWTD S.R 2018-19)

Basic rate	6670.00							
Area Weightage 6%	400.20							
Total	7070.20							
	Cum							
RCC Drain								
Raft								
Ward 01								
Sadhuguru school rd		1	78.00	0.80	0.15	9.36		
Chowdeshwari temple (tank bund rd)		1	146.00	0.90	0.15	19.71		
Down Bazar rd(1st cross)(RHS)		1	43.00	0.90	0.15	5.81		
Down Bazar rd		1	90.00	1.20	0.15	16.20		
Chowdeshwari temple (1st Cross rd)		1	37.00	0.80	0.15	4.44		
Chowdeshwari temple (2nd Cross rd)		1	40.00	0.80	0.15	4.80		
Side Wall								
Ward 01								
Sadhuguru school rd		2	78.00	0.15	0.60	14.04		

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
howdeshwari temple (tank und rd)		2	146.00	0.15	0.60	26.28		
own Bazar rd(1st ross)(RHS)		2	43.00	0.15	0.60	7.74		
own Bazar rd		2	90.00	0.15	0.90	24.30		
howdeshwari temple (1st ross rd)		2	37.00	0.15	0.60	6.66		
howdeshwari temple (2nd ross rd)		2	40.00	0.15	0.60	7.20		
11th cross		4	230.00	0.15	0.60	82.80		
						229.34		
Culvert Raft		9	5.00	1.20	0.20	10.80		
Culvert Wall		18	5.00	0.23	0.60	12.42		
						23.22		
Wall rising								
Kalli Bhavi Main Rd		2	269.00	0.15	0.10	8.07		
Vivekananada Rd		2	72.00	0.15	0.10	2.16		
Connecting rd-1		2	43.00	0.15	0.10	1.29		
						11.52		
						264.08	**7070.20**	**1867063.07**
KSRRB M2200-8. **Providing weep holes** in Brick masonry / Plain / Reinforced concrete abutment, wing wall / return wall with 100 mm dia AC pipe, extending through the full width of the structure with slope of 1V :20H towards drawing force. Complete as per drawing and Technical Specifications including cost of materials, labour, HOM complete as per specifications. MORTH Specification No.2706 & 2200(P.No.229, I.No.28.10 of PW, P&IWTD S.R 2018-19), **75mm**								
Basic rate	147.00							
Area Weightage 6%	8.82							
Total	**155.82**							
	Nos							
RCC Drain @ 10m Interval								
		45				45.00		
						45.00	**155.82**	**7,011.90**
KSRRB - M2300-14: **Providing TMT steel reinforcement** for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH Specification No. 1600 & 2200 for TMT bars Fe 500. (P.No.239, I.No.29.29.2 of PW, P&IWTD S.R 2018-19)								
Basic rate	69804.00							
Area Weightage 6%	4188.24							
Total	**73992.24**							
	Tn							
RCC Drain			229.34	0.06		13.76		
For Drain 60kg/cum			23.22	0.09		2.09		
For Culvert 90kg/cum						15.85	73992.24	1172769.60

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
roviding and Fixing **pre cast covering Slab 100mm thick** made out of CC 1:2:4 and jelly 20mm own size with steel reinforcement including form work,curing,including cost of alll materials, bour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As er Engineer incharge. (Data Rate)								
Data rate	2337.00							
	Sqm							
CC Drain								
adhuguru school rd		1	78.00	0.75		58.50		
howdeshwari temple (tank und rd)		1	146.00	0.90		131.40		
own Bazar rd(1st ross)(RHS)		1	43.00	0.90		38.70		
own Bazar rd		1	90.00	1.50		135.00		
howdeshwari temple (1st ross rd)		1	37.00	0.75		27.75		
howdeshwari temple (2nd ross rd)		1	40.00	0.75		30.00		
layaram house rd		2	55.00	0.75		82.50		
missing slabs								
		400	0.60	0.90		216.00		
		220	0.60	0.75		99.00		
						818.85	2337.00	1913652.45
Providing and fixing **RCC precast cover slab of 250mm thick** for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
Data rate	5418.00							
	Sqm							
Ward 01								
Culvert		9	5.00	1.20		54.00		
						54.00	5418.00	292572.00
Providing and fixing **pre cast solid cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30 of PW, P&IWTD SR 2018-19)								
For Drain	Nos							
Ward 01								
Chowdeshwari temple (tank bund rd)		1	146.00			146.00		
Down Bazar rd		1	90.00			90.00		
per kerb = .45m						236.00	m	
						524.00	nos	
						524.00	432.48	226619.52
Basic Rate Rs.=	408.00							
Add 6% A.W Rs. =	24.48							
Total Rate Rs. =	432.48							

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
ainting two coats after filling the surface with synthetic enamel paint in approved shades on new astered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 pecification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
Yard 01								
or Drain	Sqm							
howdeshwari temple (tank und rd)		1	146.00		0.40	58.40		
own Bazar rd		1	90.00		0.40	36.00		
						94.40	84.80	8,005.12
Basic Rate Rs.=	80.00							
Add 6% A.W Rs. =	4.80							
Total Rate Rs. =	84.80							
KSRRB M200-24. **Dismantling of cement concrete pavement** by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock piling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials seperately complete as per specifications. Loading and unloading with 8km lead= (I No-18.47,P No-140,KPWD SR 2018-19)								
Basic rate	899.00							
Area Weightage 6%	53.94							
8km Lead	20.48							
Total	973.42							
	Cum							
C.C Road								
Chowdeshwari temple (1st Cross rd)		1	37.00	4.20	0.25	38.85		
Chowdeshwari temple (2nd Cross rd)		1	30.00	2.80	0.25	21.00		
Down Bazar rd(1st cross)		1	43.00	5.00	0.25	53.75		
Down Bazar rd(2nd cross)		1	43.00	4.00	0.25	43.00		
Chandraprasanna house		1	54.00	3.30	0.25	44.55		
Cross rd		1	20.00	3.00	0.25	15.00		
Connecting rd-1		1	43.00	3.50	0.25	37.63		
Connecting rd-2		1	41.00	2.20	0.25	22.55		
Jayaram house rd		1	55.00	4.30	0.25	59.13		
						335.45	973.42	326533.74
14 **Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30** over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints,including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to(P.No-176,I No-22.6.1)								
Basic rate	4916.00							
Area Weightage 6%	294.96							

Description of Items	Unit	No	Length	Width	Depth	Quantity	Rate	Amount
Total	5210.96							
	Cum							
C Road								
owdeshwari temple (1st oss rd)		1	37.00	4.20	0.15	23.31		
owdeshwari temple (2nd oss rd)		1	30.00	2.80	0.15	12.60		
own Bazar rd(1st cross)		1	43.00	5.00	0.15	32.25		
own Bazar rd(2nd cross)		1	43.00	4.00	0.15	25.80		
handraprasanna house		1	54.00	3.30	0.15	26.73		
ross rd		1	20.00	3.00	0.15	9.00		
onnecting rd-1		1	43.00	3.50	0.15	22.58		
onnecting rd-2		1	41.00	2.20	0.15	13.53		
ayaram house rd		1	55.00	4.30	0.15	35.48		
						201.27	5210.96	1048809.92
							Total Construction Cost	8750184.14
							Towards GST 12%	1050022.10
							DPR & PMC Charges 2%	199000
							Sub Total	9999206.24
							Miscellaneous & Rounding Off	793.76
							Total	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates dated 01-07-2020 and Data Rates

Assistant Engineer
Ward 01
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Sub Division
BBMP Bangalore

Executive Engineer
Yelahanka Division
BBMP Bangalore

Administrative Sanction for Rs. 100.00 lakhs one crore only is accorded under head P-3855 2020-21 (Basic Infrastructual Developmental works) Registered as CE No. ..... Subject to conditions contained in enclosed memo No EE/YNK/AS/20/2020-21 Dt. 25.8.2020

Executive Engineer

Technical Sanction Accorded for Rs 100.00 lakhs only
Head of A/C P3855
CER NO : 93 Dt: 28/8/2020

TA — CE (YNK)